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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 14 JUL 2006 HIGHEST RN 892755-86-1

DICTIONARY FILE UPDATES: 14 JUL 2006 HIGHEST RN 892755-86-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

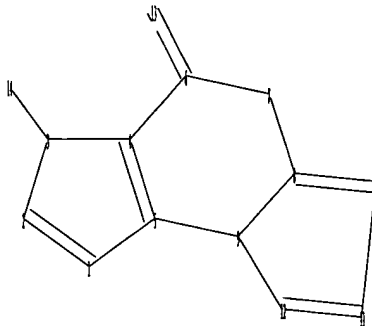
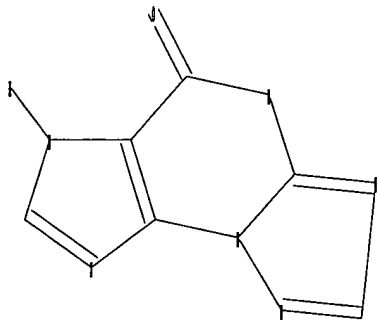
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10614365pdeV.str



chain nodes :

13 14

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12

chain bonds :

3-14 6-13

ring bonds :

1-5 1-2 2-3 3-4 4-5 4-6 5-9 6-7 7-8 8-9 8-10 9-12 10-11 11-12

exact/norm bonds :

1-5 1-2 2-3 3-4 4-5 4-6 5-9 6-7 6-13 7-8 8-9 8-10 9-12 10-11 11-12

exact bonds :

3-14

Match level :

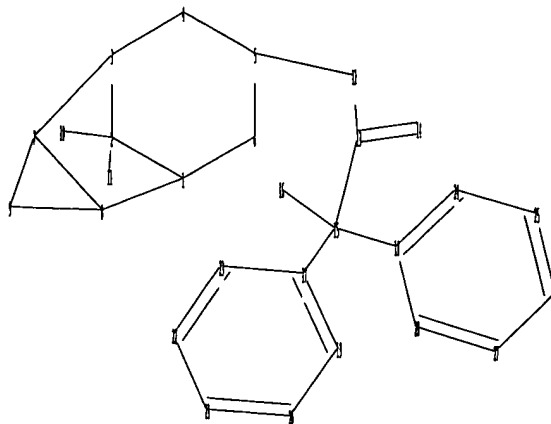
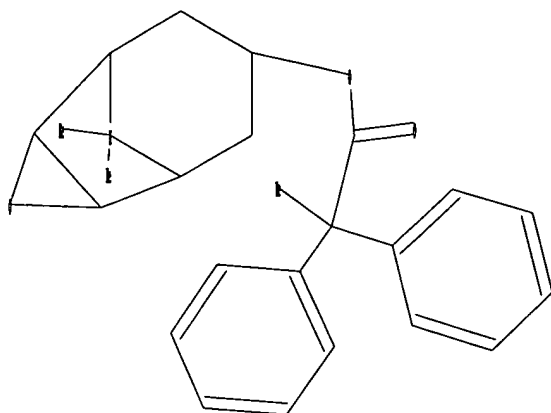
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom

11:Atom 12:Atom 13:CLASS 14:CLASS

L1 STRUCTURE UPLOADED

=>

Uploading C:\Program Files\Stnexp\Queries\10614365anticholinergic.str



```

chain nodes :
10 11 12 13 14 15 16
ring nodes :
1 2 3 4 5 6 7 8 9 17 18 19 20 21 22 23 24 25 26 27 28
chain bonds :
2-10 2-11 5-12 12-13 13-14 13-15 15-16 15-17 15-18
ring bonds :
1-2 1-6 1-8 2-3 3-4 3-7 4-5 5-6 7-8 7-9 8-9 17-19 17-23 18-24 18-28
19-20 20-21 21-22 22-23 24-25 25-26 26-27 27-28
exact/norm bonds :
1-2 1-6 1-8 2-3 3-4 3-7 4-5 5-6 5-12 7-8 7-9 8-9 12-13 13-14
exact bonds :
2-10 2-11 13-15 15-16 15-17 15-18
normalized bonds :
17-19 17-23 18-24 18-28 19-20 20-21 21-22 22-23 24-25 25-26 26-27 27-28

```

```

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:Atom 18:Atom
19:Atom 20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom
28:Atom

```

L2 STRUCTURE UPLOADED

=> s L2

SAMPLE SEARCH INITIATED 11:33:08 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 2 TO ITERATE

100.0% PROCESSED 2 ITERATIONS 1 ANSWERS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 2 TO 124  
PROJECTED ANSWERS: 1 TO 80

L3 1 SEA SSS SAM L2

=> d l3

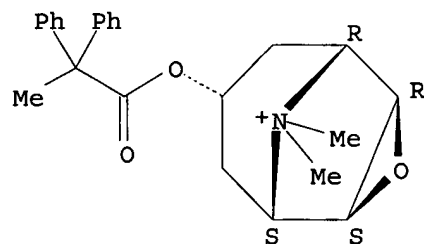
L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 613685-68-0 REGISTRY  
ED Entered STN: 07 Nov 2003

CN 3-Oxa-9-azoniatricyclo[3.3.1.0<sup>2,4</sup>]nonane, 9,9-dimethyl-7-(1-oxo-2,2-diphenylpropoxy)-, (1 $\alpha$ ,2 $\beta$ ,4 $\beta$ ,5 $\alpha$ ,7 $\beta$ )-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)  
 FS STEREOSEARCH  
 MF C24 H28 N O3 . C4 H3 O4  
 SR CA  
 LC STN Files: CA, CAPLUS, USPATFULL

CM 1

CRN 613685-62-4  
 CMF C24 H28 N O3

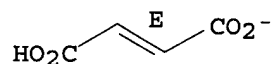
Relative stereochemistry.



CM 2

CRN 18610-40-7  
 CMF C4 H3 O4

Double bond geometry as shown.



4 REFERENCES IN FILE CA (1907 TO DATE)  
 4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s l1

SAMPLE SEARCH INITIATED 11:33:40 FILE 'REGISTRY'  
 SAMPLE SCREEN SEARCH COMPLETED - 8 TO ITERATE

100.0% PROCESSED 8 ITERATIONS 4 ANSWERS  
 SEARCH TIME: 00.00.01

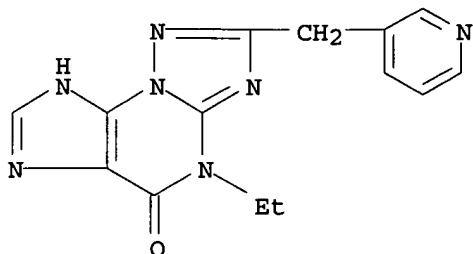
FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
 BATCH \*\*COMPLETE\*\*  
 PROJECTED ITERATIONS: 8 TO 329  
 PROJECTED ANSWERS: 4 TO 200

L4 4 SEA SSS SAM L1

=> d l4 1-4

L4 ANSWER 1 OF 4 REGISTRY COPYRIGHT 2006 ACS on STN  
 RN 259745-43-2 REGISTRY  
 ED Entered STN: 22 Mar 2000  
 CN 4H-[1,2,4]Triazolo[5,1-b]purin-5(6H)-one, 4-ethyl-2-(3-pyridinylmethyl)- (9CI) (CA INDEX NAME)  
 FS 3D CONCORD  
 MF C14 H13 N7 O

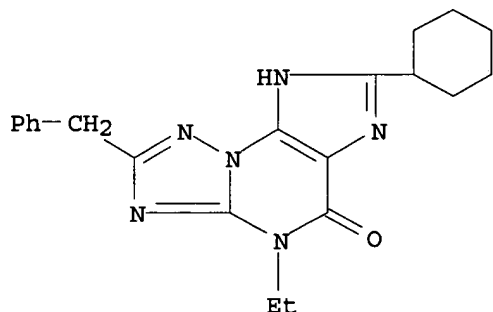
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

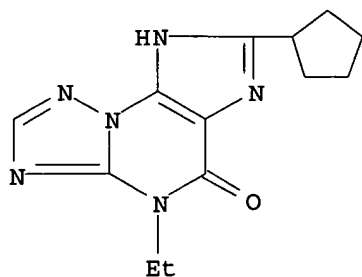
L4 ANSWER 2 OF 4 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 259744-92-8 REGISTRY  
ED Entered STN: 22 Mar 2000  
CN 4H-[1,2,4]Triazolo[5,1-b]purin-5(6H)-one, 7-cyclohexyl-4-ethyl-2-(phenylmethyl)- (9CI) (CA INDEX NAME)  
FS 3D CONCORD  
MF C21 H24 N6 O  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

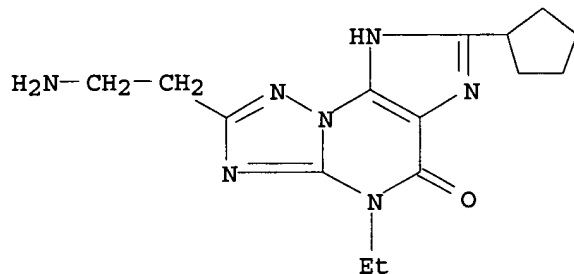
L4 ANSWER 3 OF 4 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 259744-55-3 REGISTRY  
ED Entered STN: 22 Mar 2000  
CN 4H-[1,2,4]Triazolo[5,1-b]purin-5(6H)-one, 7-cyclopentyl-4-ethyl- (9CI) (CA INDEX NAME)  
FS 3D CONCORD  
MF C13 H16 N6 O  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 4 OF 4 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 252665-43-3 REGISTRY  
ED Entered STN: 11 Jan 2000  
CN 4H-[1,2,4]Triazolo[5,1-b]purin-5(6H)-one, 2-(2-aminoethyl)-7-cyclopentyl-4-ethyl- (9CI) (CA INDEX NAME)  
FS 3D CONCORD  
MF C15 H21 N7 O  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

3 REFERENCES IN FILE CA (1907 TO DATE)  
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> sel 13  
E1 THROUGH E1 ASSIGNED

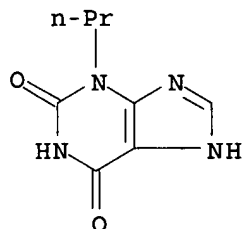
=> sel 14  
E2 THROUGH E5 ASSIGNED

=> s enprofylline/cn  
L5 1 ENPROFYLLINE/CN

=> d 15

L5 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 41078-02-8 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN 1H-Purine-2,6-dione, 3,7-dihydro-3-propyl- (9CI) (CA INDEX NAME)  
OTHER NAMES:

CN 3-Propylxanthine  
 CN D 4028  
 CN Enprofylline  
 FS 3D CONCORD  
 MF C8 H10 N4 O2  
 LC STN Files: ADISINSIGHT, AGRICOLA, ANABSTR, BEILSTEIN\*, BIOSIS,  
 BIOTECHNO, CA, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, CSChem, DDFU,  
 DRUGU, EMBASE, IPA, MEDLINE, PHAR, PROMT, PROUSDDR, RTECS\*, SYNTHLINE,  
 TOXCENTER, USAN, USPAT2, USPATFULL  
 (\*File contains numerically searchable property data)  
 Other Sources: EINECS\*\*, WHO  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

303 REFERENCES IN FILE CA (1907 TO DATE)  
 6 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 303 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> sel 15  
 E6 THROUGH E9 ASSIGNED

=> s theophylline/cn  
 L6 1 THEOPHYLLINE/CN

=> d 16

L6 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN  
 RN 58-55-9 REGISTRY  
 ED Entered STN: 16 Nov 1984  
 CN 1H-Purine-2,6-dione, 3,7-dihydro-1,3-dimethyl- (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Theophylline (8CI)  
 OTHER NAMES:  
 CN 1,3-Dimethylxanthine  
 CN Accurbron  
 CN Aerobin  
 CN Aerolate  
 CN Afonilm  
 CN Armophylline  
 CN Asmax  
 CN Austyn  
 CN Bilordyl  
 CN Brochoretard  
 CN Bronkodyl  
 CN Cetrrophylline  
 CN Chronophyllin  
 CN Constant T  
 CN Diffumal  
 CN Duraphyl  
 CN Duraphyllin  
 CN Egifilin

CN Elan  
 CN Elixophyllin  
 CN Elixophylline  
 CN Etheophyl  
 CN Euphylong  
 CN Insanovin  
 CN LaBID  
 CN Lanophyllin  
 CN Lasma  
 CN Liquophylline  
 CN NSC 2066  
 CN Nuelin  
 CN Optiphyllin  
 CN Parkophyllin  
 CN Physpan  
 CN Pro-Vent  
 CN Pseudotheophylline  
 CN PulmiDur  
 CN Pulmo-Timelets  
 CN Quibron T  
 CN Quibron T/SR  
 CN Respbid  
 CN Respicur  
 CN Slo-Bid  
 CN Slo-Phyllin  
 CN Solosin  
 CN Somophyllin CRT  
 CN Somophyllin T  
 CN Spophyllin retard  
 CN Sustaire  
 CN Talotren  
 CN Telb-DS

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for DISPLAY

FS 3D CONCORD

DR 56645-32-0, 75448-53-2, 46157-00-0

MF C7 H8 N4 O2

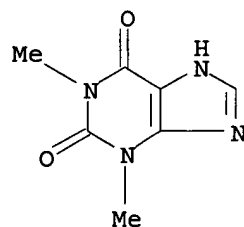
CI COM

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOSIS,  
 BIOTECHNO, CA, CABA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS,  
 CHEMINFORMRX, CHEMLIST, CIN, CSCHM, CSNB, DDFU, DETHERM\*, DRUGU,  
 EMBASE, GMELIN\*, HSDB\*, IFICDB, IFIPAT, IFIUDB, IMSCOSEARCH, IPA,  
 MEDLINE, MRCK\*, MSDS-OHS, NAPRALERT, PATDPASPC, PHAR, PIRA, PROMT, PS,  
 RTECS\*, SPECINFO, SYNTHLINE, TOXCENTER, ULIDAT, USAN, USPAT2, USPATFULL,  
 VETU, VTB

(\*File contains numerically searchable property data)

Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

14303 REFERENCES IN FILE CA (1907 TO DATE)

283 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

14315 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
7 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> sel 16

E10 THROUGH E99 ASSIGNED

=> s roflumilast/cn or ariflo/cn or BAY198004/cn or CP-325366/cn or BY343/cn or  
Sch351591/cn or V-11294A/CN or AWD-12-281/cn

1 ROFLUMILAST/CN  
1 ARIFLO/CN  
0 BAY198004/CN  
0 CP-325366/CN  
0 BY343/CN  
0 SCH351591/CN  
0 V-11294A/CN  
0 AWD-12-281/CN

L7 2 ROFLUMILAST/CN OR ARIFLO/CN OR BAY198004/CN OR CP-325366/CN OR  
BY343/CN OR SCH351591/CN OR V-11294A/CN OR AWD-12-281/CN

=> d 17 1-2

L7 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2006 ACS on STN

RN 162401-32-3 REGISTRY

ED Entered STN: 21 Apr 1995

CN Benzamide, 3-(cyclopropylmethoxy)-N-(3,5-dichloro-4-pyridinyl)-4-  
(difluoromethoxy)- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN B 9302-107

CN BY 217

CN BYK 20869

CN Roflumilast

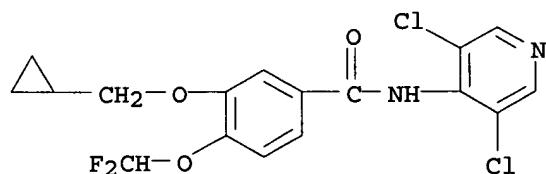
FS 3D CONCORD

MF C17 H14 Cl2 F2 N2 O3

CI COM

SR CA

LC STN Files: ADISINSIGHT, ADISNEWS, BIOSIS, BIOTECHNO, CA, CAPLUS,  
CASREACT, CBNB, CHEMCATS, CIN, DDFU, DRUGU, EMBASE, IMSDRUGNEWS,  
IMSPATENTS, IMSRESEARCH, IPA, MRCK\*, PHAR, PROMT, PROUSDDR, RTECS\*,  
SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL  
(\*File contains numerically searchable property data)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

136 REFERENCES IN FILE CA (1907 TO DATE)

11 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

136 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2006 ACS on STN

RN 153259-65-5 REGISTRY

ED Entered STN: 24 Feb 1994

CN Cyclohexanecarboxylic acid, 4-cyano-4-[3-(cyclopentyloxy)-4-methoxyphenyl]-  
, cis- (9CI) (CA INDEX NAME)

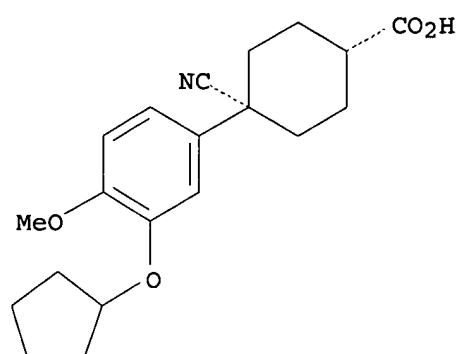
OTHER NAMES:

CN Ariflo



CN Cilomilast  
 CN cis-4-Cyano-4-(3-cyclopentyloxy-4-methoxyphenyl)cyclohexanecarboxylic acid  
 CN cis-4-[3-(Cyclopentyloxy)-4-methoxyphenyl]-4-cyanocyclohexane-1-carboxylic acid  
 CN SB 207499  
 FS STEREOSEARCH  
 MF C20 H25 N O4  
 CI COM  
 SR CA  
 LC STN Files: ADISINSIGHT, ADISNEWS, BIOSIS, BIOTECHNO, CA, CAPLUS, CASREACT, CIN, EMBASE, IMSDRUGNEWS, IMSPATENTS, IMSRESEARCH, IPA, MRCK\*, PHAR, PROMT, PROUSDDR, RTECS\*, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL  
 (\*File contains numerically searchable property data)

Relative stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

199 REFERENCES IN FILE CA (1907 TO DATE)  
 6 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 199 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> sel 17  
 E100 THROUGH E110 ASSIGNED

=> index bioscience patents  
 FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED  
 FILE 'ENCOMPPAT2' ACCESS NOT AUTHORIZED  
 COST IN U.S. DOLLARS

	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	71.19	71.40

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 11:37:08 ON 17 JUL 2006

92 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view  
 search error messages that display as 0\* with SET DETAIL OFF.

=> s E1 and (E2-E5)  
 33 FILES SEARCHED...  
 70 FILES SEARCHED...

84 FILES SEARCHED...

0 FILES HAVE ONE OR MORE ANSWERS, 92 FILES SEARCHED IN STNINDEX

L8 QUE 613685-68-0/BI AND ((252665-43-3/BI OR 259744-55-3/BI OR 259744-92-8/BI OR 259745-43-2/BI))

=> s E1 and (E6-E110)  
2 FILES SEARCHED...  
7 FILES SEARCHED...  
12 FILES SEARCHED...  
13 FILES SEARCHED...  
1 FILE CAPLUS  
18 FILES SEARCHED...  
22 FILES SEARCHED...  
23 FILES SEARCHED...  
30 FILES SEARCHED...  
34 FILES SEARCHED...  
42 FILES SEARCHED...  
48 FILES SEARCHED...  
57 FILES SEARCHED...  
62 FILES SEARCHED...  
66 FILES SEARCHED...  
68 FILES SEARCHED...  
73 FILES SEARCHED...  
75 FILES SEARCHED...  
78 FILES SEARCHED...  
83 FILES SEARCHED...  
85 FILES SEARCHED...  
87 FILES SEARCHED...

1 FILES HAVE ONE OR MORE ANSWERS, 92 FILES SEARCHED IN STNINDEX

L9 QUE 613685-68-0/BI AND (("D 4028"/BI OR ENPROFYLLINE/BI OR 3-PROPYLXANTHIN E/BI OR 41078-02-8/BI OR ACCURBRON/BI OR AEROBIN/BI OR AEROLATE/BI OR AFONILM/BI OR ARMOPHYLLINE/BI OR ASMAX/BI OR AUSTYN/BI OR BILORDYL/BI OR BROCHORETARD/BI OR BRONKODYL/BI OR CETRAPHYLLINE/BI OR CHRONOPHYLLIN/BI OR "CONSTANT T"/BI OR DIFFUMAL/BI OR DURAPHYL/BI OR DURAPHYLLIN/BI OR EGIFILIN/BI OR ELAN/BI OR ELIXOPHYLLIN/BI OR ELIXOPHYLLINE/BI OR ETHEOPHYL/BI OR EUPHYLONG/BI OR INSANOVIN/BI OR LABID/BI OR LANOPHYLLIN/BI OR LASMA/BI OR LIQUOPHYLLINE/BI OR "NSC 2066"/BI OR NUELIN/BI OR OPTIPHYLLIN/BI OR PARKOPHYLLIN/BI OR PHYSPAN/BI OR PRO-VENT/BI OR PSEU DOTHEOPHYLLINE/BI OR PULMIDUR/BI OR PULMO-TIMELETS/BI OR "QUIBRON T"/BI OR "QUIBRON T/SR"/BI OR RESPBID/BI OR RESPICUR/BI OR SLO-BID/BI OR SLO-PHYLLIN/BI OR SOLOSIN/BI OR "SOMOPHYLLIN CRT"/BI OR "SOMOPHYLLIN T"/BI OR "SPOPHYLLIN RETARD"/BI OR SUSTAIRE/BI OR TALOTREN/BI OR TELB-DS/BI OR "TELBANS DRY SYRUP"/BI OR TELBANS/BI OR "TEOCEN 200"/BI OR TEON OVA/BI OR TESONA/BI OR "THEO 24"/BI OR THEO-DS/BI OR THEO-DUR/BI OR THEO-NITE/BI OR THEO-SAV/BI OR "THEOBID DURACAP"/BI OR THEOBID/BI OR THEOCHRON/BI OR THEOCLEAR/BI OR THEODEL/BI OR THEODRIP/BI OR "THEODUR DRY SYRUP"/BI OR THEOFOL/BI OR THEOGRAD/BI OR THEOLAIR/BI OR THEON/BI OR "THEONA P"/BI OR THEOPEK/BI OR THEOPHYL/BI OR THEOPHYLLIN/BI OR THEOPHYLLINE/BI OR THEOPLUS/BI OR THEOSTAT/BI OR THEOTARD/BI OR THEOVENT/BI OR "UNICONTIN CR"/BI OR UNIFYL/BI OR UNILONG/BI OR UNIPHYL/BI OR UNIPHYLLIN/BI OR XANTHIUM/BI OR "1,3-DIMETHYLXANTHINE"/BI OR 46157-00-0/BI OR 56645-32-0/BI OR 58-55-9/BI OR 75448-53-2/BI OR ARIFLO/BI OR "B 930 2-107"/BI OR "BY 217"/BI OR "BYK 20869"/BI OR CILOMILAST/BI OR "CIS-4-(3-(CYCLOPENTYLOXY)-4-METHOXYPHENYL)-4-CYANOCYCLOHEXANE-1-CARBOXYLIC ACID"/BI OR "CIS-4-CYANO-4-(3-(CYCLOPENTYLOXY)-4-METHOXYPHENYL)CYCLOHEXANECARBOXYLIC ACID"/BI OR ROFLUMILAST/BI OR "SB 207499"/BI OR 153259-65-5/BI OR 162401-32-3/BI))

=> file caplus  
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION

FULL ESTIMATED COST

13.42

84.82

FILE 'CAPLUS' ENTERED AT 11:50:14 ON 17 JUL 2006  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
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FILE COVERS 1907 - 17 Jul 2006 VOL 145 ISS 4  
FILE LAST UPDATED: 16 Jul 2006 (20060716/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

```
=> s E1 and (E2-E110)
      4 613685-68-0/BI
      3 252665-43-3/BI
      2 259744-55-3/BI
      2 259744-92-8/BI
      2 259745-43-2/BI
2333425 "D"/BI
      228 "4028"/BI
      1 "D 4028"/BI
          (( "D" (W) "4028" )/BI)
      276 ENPROFYLLINE/BI
6621568 3/BI
      172 PROPYLXANTHINE/BI
      62 3-PROPYLXANTHINE/BI
          (( 3 (W) PROPYLXANTHINE )/BI)
      303 41078-02-8/BI
      0 ACCURBRON/BI
      0 AEROBIN/BI
      2 AEROLATE/BI
      0 AFONILM/BI
      3 ARMOPHYLLINE/BI
      1 ASMAX/BI
      1 AUSTYN/BI
      0 BILORDYL/BI
      0 BROCHORETARD/BI
      2 BRONKODYL/BI
      1 CETRAPHYLLINE/BI
      1 CHRONOPHYLLIN/BI
250797 "CONSTANT"/BI
820037 "T"/BI
      36 "CONSTANT T"/BI
          (( "CONSTANT" (W) "T" )/BI)
      3 DIFFUMAL/BI
      0 DURAPHYL/BI
      0 DURAPHYLLIN/BI
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 /BI OR TELB-DS/BI OR

=> d L10 1 ti abs bib

L10 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN

TI Pharmaceutical compositions comprising anticholinergic agents and  
 phosphodiesterase IV (PDE-IV) inhibitors for the treatment of respiratory  
 diseases

AB The invention provides pharmaceutical compns. comprising anticholinergic  
 agents and PDE-IV inhibitors, as well as a method for the production and use  
 thereof in the treatment of respiratory diseases. Powder inhalant  
 formulations are included.

AN 2004:41257 CAPLUS

DN 140:87709

TI Pharmaceutical compositions comprising anticholinergic agents and  
 phosphodiesterase IV (PDE-IV) inhibitors for the treatment of respiratory  
 diseases

IN Pairret, Michel; Meade, Christopher John Montague; Pieper, Michael P.

PA Boehringer Ingelheim Pharma G.m.b.H. & Co. K.-G., Germany

SO PCT Int. Appl., 37 pp.

CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004004704	A1	20040115	WO 2003-EP6668	20030625
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,				
	CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,				
	GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,				
	LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM,				
	PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR,				
	TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
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	KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,				
	FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,				
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	DE 10230769	A1	20040122	DE 2002-10230769	20020709
	CA 2492026	AA	20040115	CA 2003-2492026	20030625
	AU 2003242755	A1	20040123	AU 2003-242755	20030625
	EP 1521576	A1	20050413	EP 2003-762509	20030625
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				
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	JP 2005532379	T2	20051027	JP 2004-518566	20030625
	US 2004058950	A1	20040325	US 2003-614365	20030707
PRAI	DE 2002-10230769	A	20020709		
	US 2002-407895P	P	20020903		
	WO 2003-EP6668	W	20030625		

OS MARPAT 140:87709

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> index bioscience patents

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED

FILE 'ENCOMPAT2' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
323.00	407.82

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
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INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 11:51:05 ON 17 JUL 2006

92 FILES IN THE FILE LIST IN STNINDEX

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=> s (E2-E5)

3 FILE CAPLUS

34 FILES SEARCHED...

76 FILES SEARCHED...

1 FILES HAVE ONE OR MORE ANSWERS, 92 FILES SEARCHED IN STNINDEX

L11 QUE ((252665-43-3/BI OR 259744-55-3/BI OR 259744-92-8/BI OR 259745-43-2/BI))

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
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FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
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CA SUBSCRIBER PRICE

FILE 'CAPLUS' ENTERED AT 11:52:29 ON 17 JUL 2006

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FILE COVERS 1907 - 17 Jul 2006 VOL 145 ISS 4

FILE LAST UPDATED: 16 Jul 2006 (20060716/ED)

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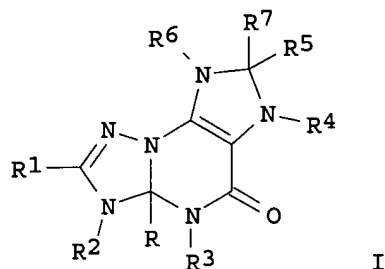
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=> d L12 1-3 ti abs bib

L12 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2006 ACS on STM

TI Preparation of imidazotriazolopyrimidines as adenosine receptor antagonists

GI



AB Title compds. [I; R1 = H, alkyl, phenyl(alkyl), alkoxy carbonyl, etc.; R2 or R3 = alkyl, alkenyl, benzyl; RR2 or RR3 = bond; R4 or R6 = H, alkyl(amino), CH2Ph, etc.; R4R7 or R6R7 = bond; R5 = H, alkyl, phenyl(alkyl), etc.] were prepared Thus, 7-amino-2-[(4-methoxybenzyloxy)methyl]-s-triazolo[1,5-a]pyrimidine-5-one was converted in 10 steps to I (RR2 = bond, R1 = CH2OPh, R3 = Et, R4 or R6 = H, R4R7 or R6R7 = bond, R5 = cyclopentyl). Data for biol. activity of I were given.

AN 2002:942787 CAPLUS

DN 138:14073

TI Preparation of imidazotriazolopyrimidines as adenosine receptor antagonists

IN Blech, Stefan; Carter, Adrian; Gaida, Wolfram; Hoffmann, Matthias; Kuefner-Muehl, Ulrike; Meade, Christopher John Montague; Pohl, Gerald; Kummer, Werner; Lehr, Erich; Mierau, Joachim; Weiser, Thomas

PA Boehringer Ingelheim Pharma KG, Germany

SO U.S., 34 pp., Cont.-in-part of U.S. Ser. No. 333,621, abandoned.

CODEN: USXXAM

DT Patent

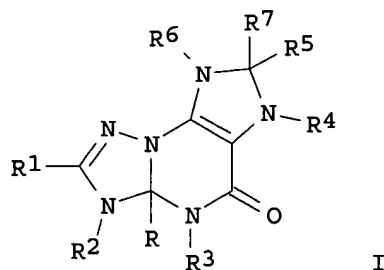
LA English

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6492377	B1	20021210	US 2000-559806	20000426
	WO 2000012511	A1	20000309	WO 1998-EP5455	19980827
	W: AU, BG, BR, BY, CA, CN, CZ, EE, HU, ID, IL, JP, KR, KZ, LT, LV, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TR, UA, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	ZA 9808189	A	20000110	ZA 1998-8189	19980908
	BR 9900187	A	20000502	BR 1999-187	19990127
	MX 9905843	A	20000331	MX 1999-5843	19990621
PRAI	US 1998-90586P	P	19980625		
	US 1998-90587P	P	19980625		
	WO 1998-EP5455	A2	19980827		
	US 1999-333408	A2	19990615		

US 1999-333621 B2 19990615  
 OS MARPAT 138:14073  
 RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Preparation of imidazotriazolopyrimidines as adenosine receptor  
 antagonists  
 GI



AB Title compds. [I; R1 = H, alkyl, phenyl(alkyl), alkoxy carbonyl, etc.; R2 or R3 = H, alkyl, phenylalkyl, heterocycl(alkyl), etc.; RR2 or RR3 = bond; R4 or R6 = H, (amino)alkyl, CH2Ph, etc.; R4R7 or R6R7 = bond; R5 = H, alkyl, phenyl(alkyl), etc.] were prepared Thus, 7-amino-2-[(4-methoxybenzyloxy)methyl]-s-triazolo[1,5-a]pyrimidine-5-one was converted in 10 steps to I (RR2 = bond, R1 = CH2OPh, R3 = Et, R4 or R6 = H, R4R7 or R6R7 = bond, R5 = cyclopentyl). Data for biol. activity of I were given.

AN 2000:161287 CAPLUS

DN 132:194388

TI Preparation of imidazotriazolopyrimidines as adenosine receptor  
 antagonists

IN Kufner-muhl, Ulrike; Kummer, Werner; Pohl, Gerald; Gaida, Wolfram; Lehr,  
 Erich; Mierau, Joachim; Weiser, Thomas; Carter, Adrian; Meade, Christopher  
 John Montague; Blech, Stefan; Hoffmann, Matthias

PA Boehringer Ingelheim Pharma Kg, Germany; et al.

SO PCT Int. Appl., 77 pp.

CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 3

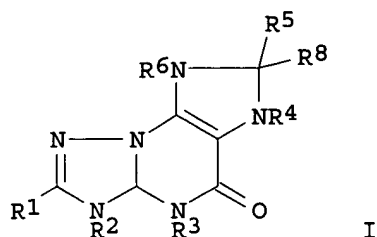
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PI	WO 2000012511	A1	20000309	WO 1998-EP5455	19980827
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	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	AU 9893474	A1	20000321	AU 1998-93474	19980827
	US 6492377	B1	20021210	US 2000-559806	20000426
PRAI	US 1998-90586P	P	19980625		
	US 1998-90587P	P	19980625		
	WO 1998-EP5455	A	19980827		
	US 1999-333408	A2	19990615		
	US 1999-333621	B2	19990615		

OS MARPAT 132:194388

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Imidazotriazolopyrimidines as adenosine antagonists

GI



AB Imidazotriazolopyrimidines I [R1, R5 = (un)substituted alkyl, alkenyl, alkynyl, cycloalkyl, Ph, norbornyl, norbornenyl, adamantyl, noradamantyl, CO2H, CONH2, NH2, CHO; R2, R3 = (un)substituted alkyl; R2R7, R3R7, R4R8, R8R6 = bond; R4, R6 = H, alkyl, aminoalkyl, PhCH2; R2 and R3 or R4 and R6 cannot be present simultaneously] were prepared for use as adenosine antagonists. Thus, I [R1 = CH2OPh, R2R7, R4R8 = bond, R3 = Et, R5 = cyclopentyl, R4R8 = bond, II] was prepared from 4-MeOC6H4CH2OH, ClCH2CO2H, aminoguanidine cyclopentanecarbonyl chloride, and phenol in 12 steps. II had a KiA1 receptor binding activity of 3.6 nM.

AN 1999:811248 CAPLUS  
DN 132:35717

TI Imidazotriazolopyrimidines as adenosine antagonists

IN Blech, Stefan; Carter, Adrian; Gaida, Wolfram; Hoffmann, Matthias; KuefnerMuehl, Ulrike; Meade, Christopher John Montague; Pohl, Gerald

PA Boehringer Ingelheim Pharma K.-G., Germany

SO PCT Int. Appl., 69 pp.

CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9965912	A1	19991223	WO 1999-EP4017	19990611
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	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	DE 19826843	A1	19991223	DE 1998-19826843	19980616
	CA 2327395	AA	19991223	CA 1999-2327395	19990611
	AU 9945112	A1	20000105	AU 1999-45112	19990611
	EP 1087973	A1	20010404	EP 1999-927950	19990611
	EP 1087973	B1	20030108		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	JP 2002518396	T2	20020625	JP 2000-554737	19990611
	AT 230748	E	20030115	AT 1999-927950	19990611
	ES 2186369	T3	20030501	ES 1999-927950	19990611
PRAI	DE 1998-19826843	A	19980616		
	WO 1999-EP4017	W	19990611		

OS MARPAT 132:35717

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s L12 and anticholinergic

5058 ANTICHOLINERGIC

L13 0 L12 AND ANTICHOLINERGIC

=> d his

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FILE 'REGISTRY' ENTERED AT 11:32:05 ON 17 JUL 2006

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L2 STRUCTURE UPLOADED  
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L4 4 S L1  
SEL L3  
SEL L4  
L5 1 S ENPROFYLLINE/CN  
SEL L5  
L6 1 S THEOPHYLLINE/CN  
SEL L6  
L7 2 S ROFLUMILAST/CN OR ARIFLO/CN OR BAY198004/CN OR CP-325366/CN O  
SEL L7

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 11:37:08 ON 17 JUL 2006  
SEA E1 AND (E2-E5)

L8 QUE 613685-68-0/BI AND ((252665-43-3/BI OR 259744-55-3/BI OR 25  
SEA E1 AND (E6-E110)

L9 1 FILE CAPLUS  
QUE 613685-68-0/BI AND ("D 4028"/BI OR ENPROFYLLINE/BI OR 3-PR

FILE 'CAPLUS' ENTERED AT 11:50:14 ON 17 JUL 2006

L10 1 S E1 AND (E2-E110)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 11:51:05 ON 17 JUL 2006  
SEA (E2-E5)

L11 3 FILE CAPLUS  
QUE ((252665-43-3/BI OR 259744-55-3/BI OR 259744-92-8/BI OR 259

FILE 'CAPLUS' ENTERED AT 11:52:29 ON 17 JUL 2006

L12 3 S (E2-E5)  
L13 0 S L12 AND ANTICHOLINERGIC

=> logoff

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	18.89	427.93

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-2.25	-3.00

STN INTERNATIONAL LOGOFF AT 11:53:26 ON 17 JUL 2006